magicolor® 2300 DL Installation Guide

1800686-002C

English

Thank You

Thank you for purchasing a magicolor 2300 DL. You have made an excellent choice. Your magicolor 2300 DL is specially designed for optimal performance in Windows and TCP/IP networking environments.

Trademarks

The following are registered trademarks of MINOLTA-QMS, Inc.: QMS, the MINOLTA-QMS logo, and magicolor.

Minolta is a trademark of Minolta Co., Ltd. Other product names mentioned in this guide may also be trademarks or registered trademarks of their respective owners.

This product uses Software Developer Kit of Peerless Systems Corporation. Copyright © 2001 Peerless Systems Corporation. All rights reserved.

This product uses NEST Office SDK of Novell, Inc. Copyright © 1999 by Novell, Inc. NEST is a trademark of Novell, Inc. in the United States and other countries.

Proprietary Statement

The digitally encoded software included with your printer is Copyrighted © 2002 by MINOLTA-QMS, Inc. All Rights Reserved. This software may not be reproduced, modified, displayed, transferred, or copied in any form or in any manner or on any media, in whole or in part, without the express written permission of MINOLTA-QMS, Inc.

Copyright Notice

This manual is Copyrighted © 2003 by MINOLTA-QMS, Inc., One Magnum Pass, Mobile, AL 36618. All Rights Reserved. This document may not be copied, in whole or part, nor transferred to any other media or language, without written permission of MINOLTA-QMS, Inc.

Manual Notice

MINOLTA-QMS, Inc. reserves the right to make changes to this manual and to the equipment described herein without notice. Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, MINOLTA-QMS, Inc. makes no warranty of any kind including, but not limited to, any implied warranties of merchantability and fitness for a particular purpose with regard to this manual. MINOLTA-QMS, Inc. assumes no responsibility for, or liability for, errors contained in this manual or for incidental, special, or consequential damages arising out of the furnishing of this manual, or the use of this manual in operating the equipment, or in connection with the performance of the equipment when so operated.

Registering the Printer

Internet—Go to www.onlineregister.com/minolta-qms/ and follow the instructions given there.

CD-ROM—Follow the instructions on the CD-ROM.

Contents

Getting Acquainted with Your Printer 1
Documentation Set 1
Space Requirements 2
Locate your Printer 2
Printer Parts 3
Setting up Your Printer 5
Installing Accessories 10
Plugging in/Turning on the Printer 10
What's Next? 11
About the interface panel 11
Configuration Menu Overview 12
About the Control Panel 13
Troubleshooting 17
Accessories and Consumables 18
Regulatory Compliance 19
Safety Information 20
Warranty Considerations 22

Getting Acquainted with Your Printer

Features	Details
Print speed (A4 or letter)	16 ppm monochrome black/4 ppm color
Resolution	600 x 600, 1200 x 600, or 2400 x 600 dpi
SDRAM	32 MB
200-sheet Tray 1	Standard
200-sheet face-down output tray	Standard
500-sheet lower feeder unit with Tray 2	Optional (only one feeder allowed)
Duplex option	Optional
IEEE-1284 parallel	Standard
Ethernet	Standard
USB	Standard

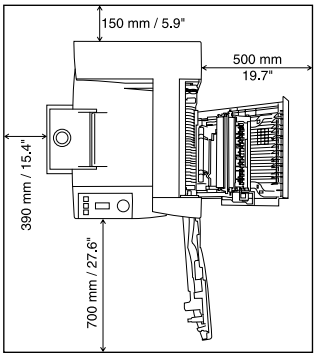
Documentation Set

If you're using the Acrobat PDF version of this guide, click this icon to play a QuickTime video clip of the procedure described in the text. Acrobat Reader and a download link to QuickTime are provided on the *Utilities and Documentation* CD-ROM.

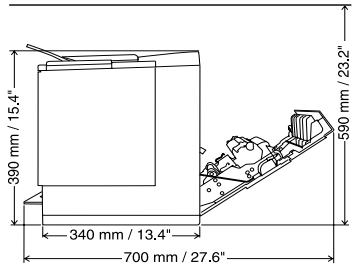
Manual	Description	Location
Installation Guide	**Hardware Installation:** You're looking at this document right now. This guide provides information about installation of the printer, the interface panel, and the control panel.	Hard copy and *Utilities and Documentation* CD-ROM
User's Guide	**Software Installation:** This chapter guides you through software, driver, and status display installation. **Day-to-day Operation of Your Printer:** These chapters guide you through printing files, refilling print media, and replacing toner. This manual also includes information on additional accessories; cleaning, and maintaining your printer; improving print quality; troubleshooting printer problems; and technical specifications and safety information for your printer.	*Utilities and Documentation* CD-ROM
Service & Support Guide	This lists sources of service and support in the Americas. For the most up-to-date worldwide information, please visit www.minolta-qms.com.	*Utilities and Documentation* CD-ROM

Space Requirements

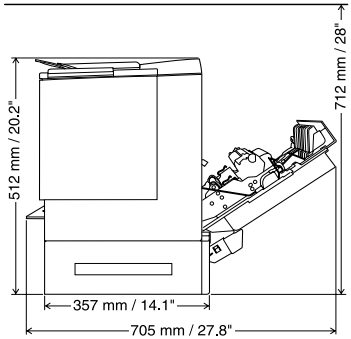
Top View



Side View



Side View with Accessories



Locate your Printer

With these characteristics...	But away from...
On a hard, flat, stable, level (±1° or less slant at any point around the machine) surface.	Direct sunlight. Heating and cooling sources, wind, and dust.
Close to an easily accessible grounded power supply (on an exclusively dedicated power outlet) that meets printer specifications. Near your computer. At the length 2 m (6.5') or less for an IEEE 1284 bidirectional parallel connection.	A connection to the same electrical circuit as high-current machines. Noise-generating equipment, such as an air conditioner or copier, and strong magnetic or electromagnetic fields, such as a refrigerator.
With enough space to allow adequate ventillation and easy servicing.	Small, loose metal parts, such as paper clips and staples.
With an ambient temperature range of 10°–35° C (50°–95° F) and temperature gradient of 10° C (50° F) per hour or less.	Water, water pipes, liquid (drink) containers, and corrosive chemicals or vapors, such as ammonia.
With relative humidity range of 15%–85% (noncondensing) and humidity gradient of 20% per hour or less.	Excessive vibration.
At an altitude of 0–2,500 m (0–8,202').	Open flames or items that can easily burn.

WARNING!

Obstructing the ventilation grilles could present a fire hazard.

Attention

For products installed outside North America, do not connect the groundwire to gas or water pipes or grounding for telephones.

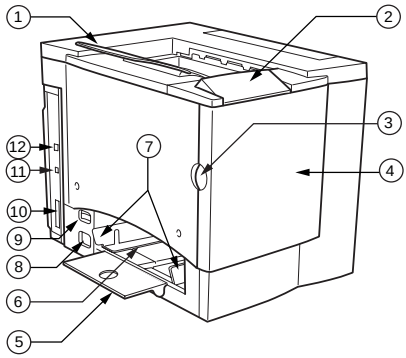
For further details, refer to the *User's Guide* on the *Utilities and Documentation* CD-ROM.

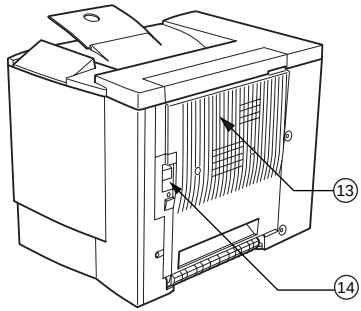
Printer Parts

The following illustrates the parts of your printer are referred to throughout this guide, so please take some time to become familiar with them.

Front View/Right Side View

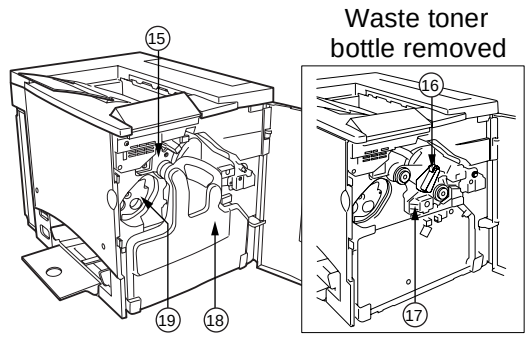
1 Output tray with output tray support (the output tray support is in the open position)
2 Control panel and message window
3 Front door latch
4 Front door
5 Tray 1 media support
6 Tray 1 (multipurpose tray, for all supported media sizes)
7 Media size guides
8 Power cord socket
9 Power switch
10 Parallel interface connector
11 USB interface connector
12 Ethernet network interface connector
13 Right-side door
14 Right-side door release





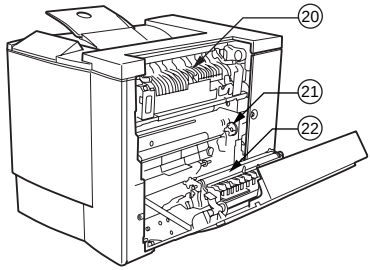
Front Inside View

15 Transfer belt
16 Transfer belt release lever
17 OPC drum cartridge
18 Waste toner bottle
19 Toner cartridges in carrousel (cyan/ magenta/yellow/black)



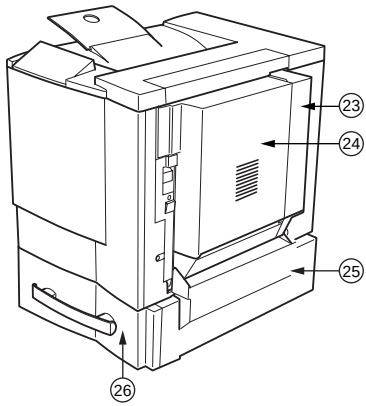
Right Inside View

20 Fuser
21 Misfeed-clearing dial (manual paper feed dial)
22 Transfer roller



View with Accessories

23 Duplex option
24 Duplex option cover
25 Optional lower feeder unit
26 Tray 2 media tray (A4 or letter only)



Setting up Your Printer

WARNING!

Your printer weighs approximately 28 kg (62 lbs) with consumables. Be sure to have help when lifting and moving it.

Do not plug in the power cord until told to do so.

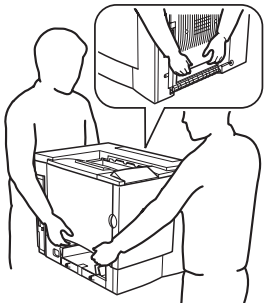
Shipment Contents

- Printer (with four toner cartridges, OPC drum cartridge and output tray support installed)
- A Waste toner bottle
- Media support for Tray 1
- Power cable
- *Utilities and Documentation* CD-ROM

Interface cables are not included in the shipment. If you need cables, contact your local vendor or computer store.

Unpacking the Printer

*We **strongly** suggest that you save the packaging materials in case you ever need to move or ship the printer.*



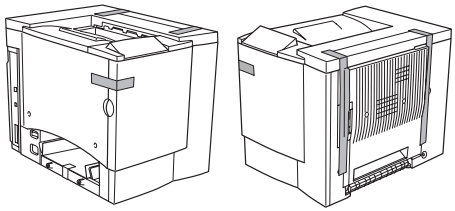
Use the following instructions to unpack your printer.

1 Open the shipping box from the top and remove the protective plastic cover.

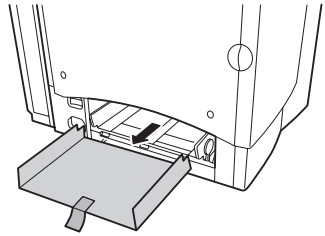
2 With another person's help, lift the printer from the carton. Do not tilt the printer.

For best output quality and longest consumables life, place the printer on a hard, flat, level, stable surface capable of supporting the weight of your printer.

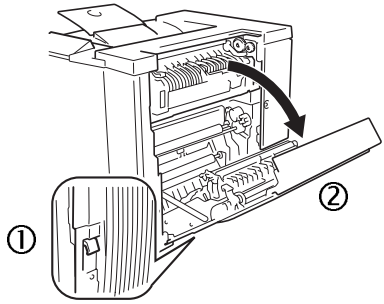
3 Remove the tape from the outside of the printer.



4 Remove the cardboard from Tray 1.

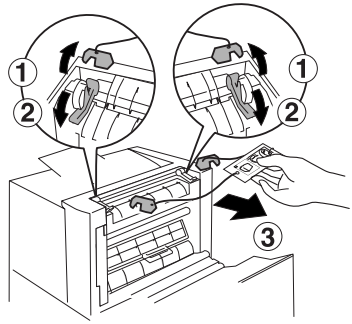


5 Pull the right-side door release ①, and then open the right-side door ②.



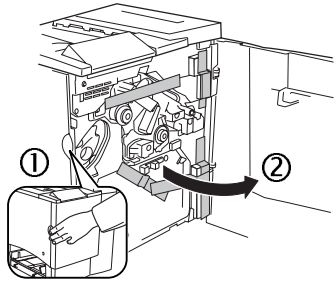
6 Remove the tags ① from the base of both green levers at the top of the fuser unit. Make sure that the green levers ② are in the downward position.

We suggest that you save the tags in case you ever need to move or ship the printer.

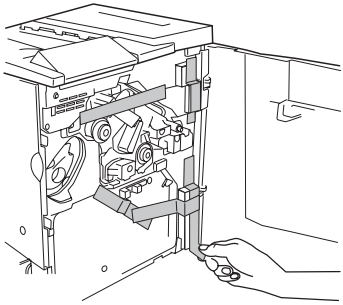


7 Close the right-side door.

8 Grasp the front door latch ① and carefully open the front door ②.



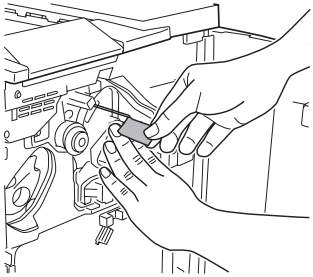
9 Remove the tape from the inside of the printer.



10 Pressing on the transfer belt unit with one hand, take the tag attached to the transfer belt unit fixture with your other hand, and pull the fixture straight toward you.

This fixture protects the transfer belt during initial transportation.

Dispose of the fixture according to your local regulations.

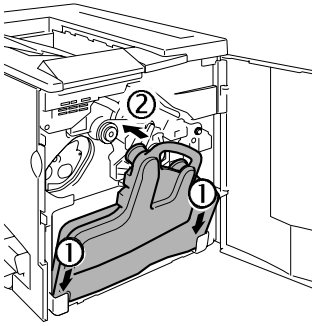


11 Insert the waste toner bottle.

a Insert the bottom of the waste toner bottle ① into the printer.

b Push the top of the waste toner bottle ② into position so it is firmly seated.

If the waste toner bottle is not correctly installed or the transfer belt release lever is at its top position (11 o'clock), the front door cannot be closed.

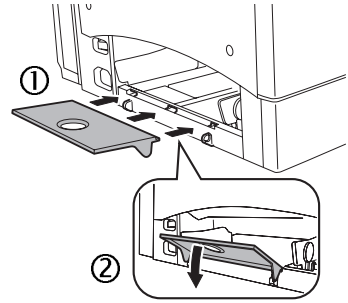


12 Close the front door.

Installing the Tray 1 Media Support

Remove the media support from its plastic shipping bag, and then attach it to Tray 1.

Insert the three tabs ① on the media support into the three holes in Tray 1, and then lower the two tabs ② into their corresponding holes below Tray 1.



Loading Tray 1 (Multipurpose Tray)

The multipurpose tray is used for all supported media types, including envelopes, labels, Japanese-sized postcards, thick stock, and transparencies.

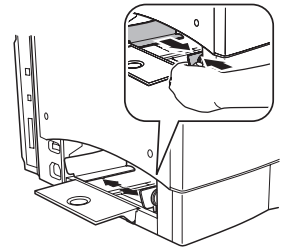
Check www.minolta-qms.com/support (click on Answer Base) for currently approved media. To order approved media, go to www.q-shop.com. For information about loading different types of media, refer to “Using Media” in the *User’s Guide*.

Attention

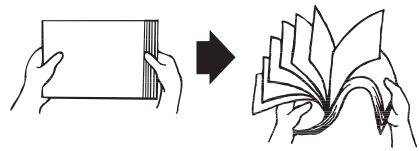
Do not mix media types/sizes in the media trays.

1 Adjust the media guides to fit the size of media that you are loading.

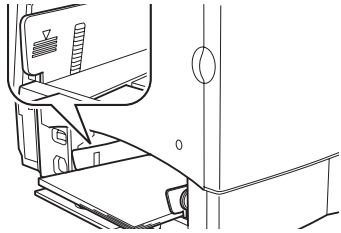
Squeeze the front media guide and open the media guides.



2 Fan a stack of approximately 200 sheets of media of 80 g/m² (22 lb bond).



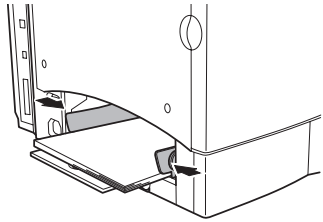
3 Load the media face up, short edge first.



Often, an arrow on the media package label indicates the face-up (printing) side of the paper.

A fill limit mark is provided on the inside of the media guides. Tray 1 holds 200 sheets of 80 g/m² (22 lb bond) media.

4 Adjust the media guides to fit the media.



Attention

Always adjust the media guides after inserting the media. Guides that are not properly adjusted can cause poor print quality, media jams, or printer damage.

Installing Accessories

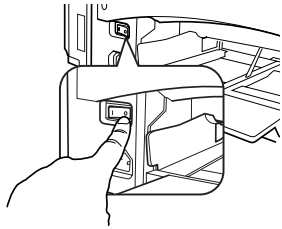
Attention

Installing accessories always requires that the printer be turned off and unplugged.

If you purchased any additional printer accessories (such as a duplex option or additional memory), then install them now. If installation instructions are included with the accessory, follow them. If not, instructions are included in the *User's Guide* (in PDF on the *Utilities and Documentation* CD-ROM).

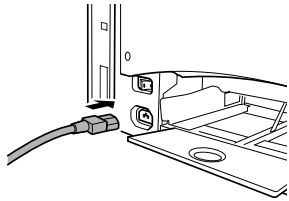
Plugging in/Turning on the Printer

1 Make sure the printer is turned off.



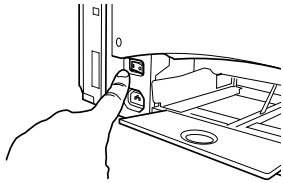
2 Plug the printer power cord into the printer and into a dedicated, grounded, surge-protected electrical outlet.

In compliance with UL guidelines, "The appliance inlet is considered to be the main disconnect device."



3 Turn on the printer.

After approximately 180 seconds, the printer displays "`IDLE/MAGICOLOR 2300DL`" *in the message window. If* "`IDLE/MAGICOLOR 2300DL`" *does not display in the message window, recheck the setup.*



The printer automatically switches to power-saving (Energy Saver) mode after 30 minutes of inactivity. You can change the number of minutes in the `Engine/Energy Saver` menu.

Attention

Never turn off or unplug the printer while it is receiving data or printing.

What's Next?

You have now completed the hardware setup of your printer. There are some more important steps:

1 If your language is other than English, refer to "Selecting a Message Window Language" on page 14. Select the message window language you prefer. If you print via the parallel or USB port, skip to step 3

2 Set your IP address in one of the following ways:
a. If your network supports DHCP (Dynamic Host Configuration Protocol), your IP address will be automatically assigned by the DHCP server when you attach and power up your printer (refer to the NIC User's Manual).
b. You may manually change the printer's IP (Internet Protocol) address. Refer to "Manually select an Ethernet IP Address" on page 15.

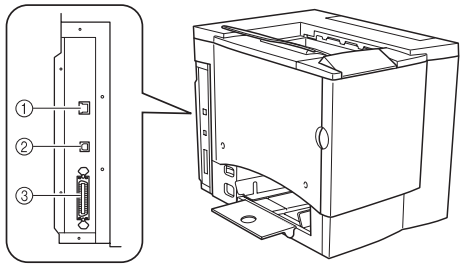
3 Connect the printer to your computer or a network.

4 Insert the *Utilities and Documentation* CD-ROM and follow the instructions on the screen to install a printer driver and printer utilities (refer to "Software Installation" in the *User's Guide).*

About the interface panel

Ethernet Port ①

Use a twisted-pair (RJ45) Ethernet cable when connecting the Ethernet port on the printer to a 10BaseT/ 100BaseTX network connection.



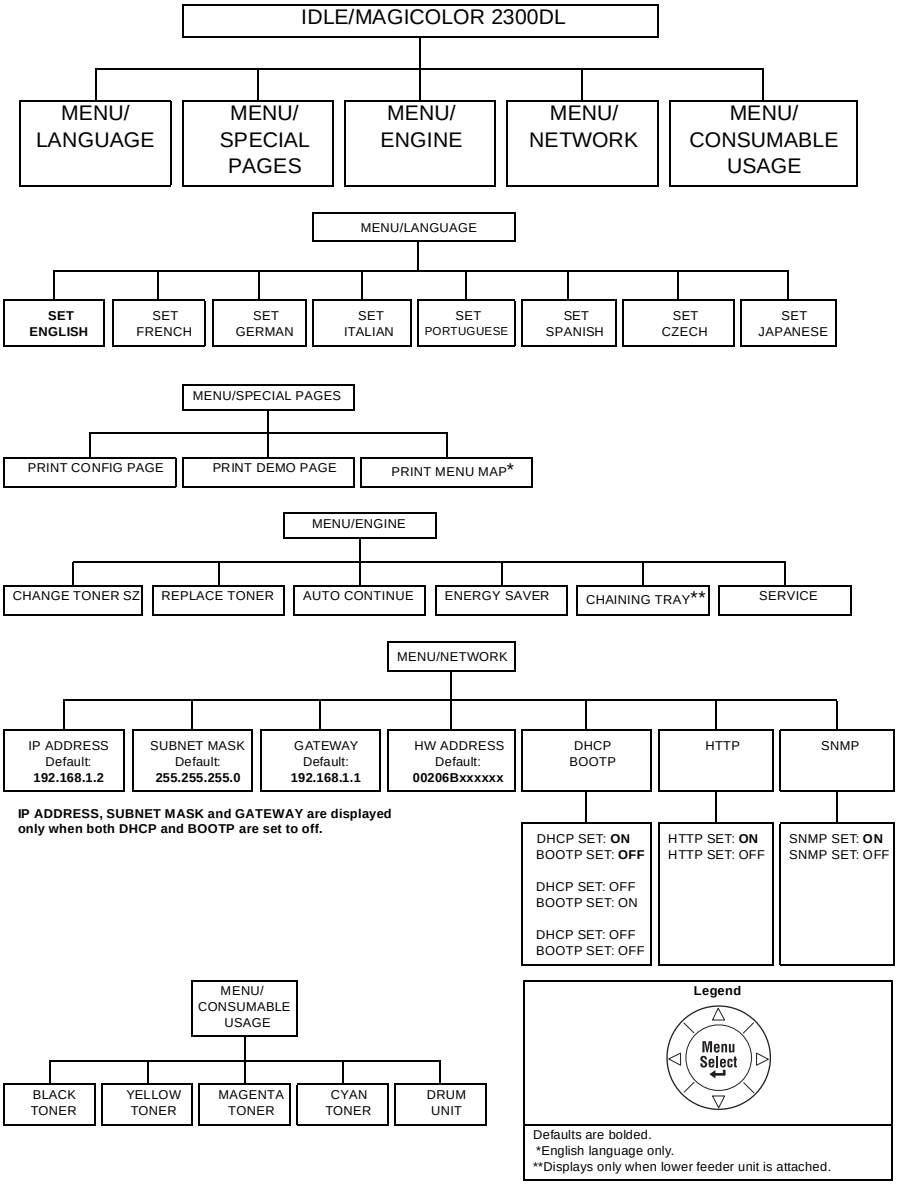
USB Port ②

Use a USB cable (Type B) when connecting the USB port on the printer to the USB port on your computer.

Parallel Port ③

Use a Centronics IEEE 1284 bidirectional parallel cable when connecting the parallel port on the printer to the parallel port on your computer.

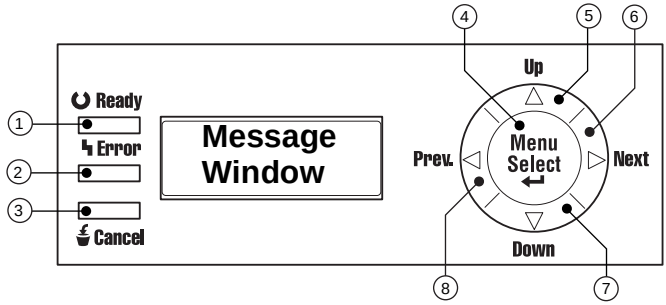
Configuration Menu Overview



About the Control Panel

The control panel, located on the top of the printer, allows you to direct the printer's operation. In addition, it displays the current status of the printer, including any condition that needs your attention.

- Two indicators (LEDs) to provide printer status information.
- A message window displays status and configuration information.
- Six keys allow you to control the printer's configuration through access to frequently used printer functions.



Control Panel Indicators and Keys

Number	LED Indicator	Off	On
1	Ready	The printer is not ready to accept data.	The printer is ready to accept data.
2	Error	No problem.	The printer requires operator attention (usually accompanied by a status message in the message window)

Number	Key	Function
3	Cancel	■ Allows you to cancel one or all print jobs ■ Cancels the menu choice or selection if the user is in the menu structure at the time

Number	Key	Function
4	Menu Select ↵	■ Initially enters the menu system ■ If within the menu system and on a menu level, moves down in in the menu structure ■ If within the menu system and on a selectable item, selects the displayed choice (no matter what position the cursor is in)
5	▲	■ Moves up in the menu structure ■ If within a selectable menu choice that is changeable character by character, scrolls upward through the available characters
6	►	■ Moves right in the menu structure ■ Moves right through the scrollable menu choice selections when selections are whole words, not characters
7	▼	■ Moves down in the menu structure. ■ If within a selectable menu choice that is changeable character by character, scrolls downward through the available characters
8	◄	■ Moves left in the menu structure ■ Moves left through the scrollable menu choice selections when selections are whole words, not characters

Selecting a Message Window Language

When you receive your printer, the message window language is set to English. However, status messages and configuration menus can be displayed in the message window in English, Czech, French, German, Italian, Japanese, Portuguese, and Spanish.

If you want to change the message window language, use the following control panel sequence:

Press Key	(Until) Display Reads
	IDLE/MAGICOLOR 2300DL
Menu Select ↵	MENU/LANGUAGE

Press Key	(Until) Display Reads
Menu Select ↵	LANGUAGE SET/ENGLISH
◄ ►	Press the Right or Left key until the appropriate language is displayed.
Menu Select ↵	<*LANGUAGE*> is selected.
▲	IDLE/MAGICOLOR 2300DL

Manually select an Ethernet IP Address

You must enter a unique IP address compatible with your local Ethernet network environment.

When manually setting the IP address, turn off DHCP and BOOTP first.

Attention

You should always notify your network administrator before changing the printer's IP address.

IP ADDRESS, SUBNET MASK and GATEWAY are displayed only when both DHCP and BOOTP are set to off.

Use the following quick control panel sequence to change the IP address of your printer:

Press Key	(Until) Display Reads
	IDLE/MAGICOLOR 2300DL
Menu Select ↵	MENU/LANGUAGE
►	MENU/NETWORK
Menu Select ↵	IP ADDRESS/192.168.1.2
Menu Select ↵	IP ADDRESS/192.168.1.2

Press Key	(Until) Display Reads
Use the ◄ and ► keys to move to each of the four number triplets. With the ▲ and ▼ keys you may increment/decrement each number triplet. Leading zeros of each triplet are automatically suppressed (".001." will display as ".1.", etc.).	
Menu Select ↵	IP ADDRESS
▲	IDLE/MAGICOLOR 2300DL
You are advised to verify the correct IP address by means of printing a Configuration page as follows:	
	IDLE/MAGICOLOR 2300DL
Menu Select ↵	MENU/LANGUAGE
►	MENU/SPECIAL PAGES
Menu Select ↵	PRINT/CONFIGURATION PAGE
Menu Select ↵	
A Configuration page will print. Verify the IP address on this page.	
▲	IDLE/MAGICOLOR 2300DL

In certain network environments you may also have to select the printer's Gateway address to be compatible with your local network environment. Ask your network administrator.

Troubleshooting

Although your printer is designed to be highly reliable, it may occasionally experience a problem. The following table helps you to identify the cause of possible installation problems and suggests some solutions. For detailed troubleshooting information, refer to “Troubleshooting” in the *User’s Guide* (in PDF on the *Utilities and Documentation* CD-ROM).

Symptom	Cause	Solution
No lights or messages appear on the control panel.	There is no power supply to the AC outlet.	Make sure there is power supplied to the AC outlet.
	The power cord is not plugged securely into the power outlet and/or the printer.	Turn the printer off, plug in the power cord securely, and then turn the printer back on.
	The printer is not turned on.	Turn on the printer.
	The line voltage from the power outlet doesn’t match the printer’s power requirements.	Make sure the line voltage matches the printer’s power requirements. Refer to appendix A in the *User’s Guide.*
You can’t print a configuration page.	The tray does not have media.	Check that the media trays are loaded with media, in place, and secure.
	The media is jammed.	Check for a media jam.
An error message is displayed.	A consumable or tray is not correctly installed.	Handle the message according to the message display.
	Media is jammed.	
	A problem occurred inside the printer.	
The printer is not receiving data from the computer.	The printer is not ready.	Make sure the printer is online (the Ready indicator is lit) and the message window reads `IDLE/ MAGICOLOR 2300DL`.
	The interface cable(s) may not be properly attached.	Make sure that the interface cable(s) are securely plugged in.
Printouts seem faded on one side of the page.	The printer is not on a level enough surface.	Level the printer surface. It should not exceed ±1° slant in any direction (for example, a round pencil laid on the surface shouldn’t roll in any direction).

If you've followed all of the instructions and still have problems you can't solve, refer to the *User's Guide* or see the Service & Support Guide for sources of service and support in the Americas and how to contact the MINOLTA-QMS office closest to you. The most up-to-date worldwide information can be found at www.minolta-qms.com.

Accessories and Consumables

Contact your local vendor or www.minolta-qms.com for purchase information, parts numbers, and pricing. To order approved media, go to www.q-shop.com. If you have any questions, refer to www.minolta-qms.com/support, then click on the Answer Base.

Accessories

Description	Remark(s)
Dual In-Line Memory Modules (DIMMs)	Additional memory must be 128 or 256 MB, PC-100- or PC-133-Compliant SDRAM DIMMs, up to a printer maximum of 288 MB (one slot available). The printer ships with 32 MB on board.
Duplex option	Only plain paper, 60–90 g/m^2 (16–24 lb), can be autoduplexed.
Lower feeder unit	This provides an optional 500-sheet media tray (A4 or letter only).
Other accessories	Check www.minolta-qms.com for availability.

Consumables

Consumable life is expressed in simplex A4/letter pages at normal 5% coverage in continuous printing. A duplex page is equivalent to two simplex pages. The stated life expectancy of each consumable is based on printing under specific operating conditions, such as media type and size. The actual life expectancy will vary (or be reduced) depending on these and other printing variables, including average print job size, ambient temperature, and humidity. The average continuous print job size is defined as a four-page simplex job. The average intermittent print job size is defined as a one-page simplex job.

Toner cartridge—standard capacity (Cyan, Magenta, Yellow and Black)

Toner cartridge—high capacity (Cyan, Magenta, Yellow and Black)

OPC drum cartridge

Waste toner bottle

Notes: Refer to the *User's Guide* in PDF on the *Utilities and Documentation* CD-ROM for consumable life expectancies. Your printer ships with standard-capacity Cyan, Magenta, Yellow and Black toner cartridges. Replacement Black toner cartridges are available only in high-capacity size.

Regulatory Compliance

CE Marking (Declaration of Conformity) For European Users

This product complies with the following EU directives: 89/336/EEC, 73/23/EEC, and 93/68 EEC directives. This declaration is valid for the areas of the European Union.

This device must be used with shielded interface cables. The use of non-shielded cable is likely to result in interference with radio communications, and is prohibited under EU directives.

Electro-Magnetic Interference For All Users (Except for American and Canadian Users) Users

⚠ WARNING

This is a Class B product. In a domestic environment, this product may cause radio interferences in which case the user may be required to take adequate measures.

Interference-causing Equipment Standard (ICES-003 ISSUE 3) For Canada Users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This devise must be used with shielded interface cables. The use of non-shielded cable is likely to result in interference with radio communications, and is prohibited under ICES-003.

cTick Mark	**ACA (Australia)** AS/NZS 3548	 Class B ITE
Electromagnetic Emissions (EMI)	**FCC (USA)** Title 47 CFR Ch. I, Part 15 **Industry Canada (Canada)** ICES-003 Issue 3 **International (EU)** EN 55022 EN 61000-3-2 EN 61000-3-3 **Japan** VCCI V-3/01.04 Harmonic Current Measure Guideline (2001) of JBMIA	 Class B Digital Device Class B Digital Device Class B ITE Harmonic Current Emissions Voltage Fluctuations and Flicker Class B ITE Class A
Energy Saver	**ENERGY STAR (USA, EU and Japan)**	ENERGY STAR Compliant in basic configuration
Immunity Requirements (EU)	**International (EU)** EN 55024	 Immunity Characteristics
Product Safety	UL (USA) cUL (Canada) International (EU)	UL 60950, CAN/CSA C22.2 60950 EN 60950 and IEC 60950
Laser Safety	CDRH (USA) International (EU)	Title 21 CFR Ch. I, Subchapter J EN 60825-1 and IEC 60825-1

FCC Compliance Statement For American Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Operation of this equipment in a residential area is likely to cause harmful interference, in which case, the user will be required to correct the interference at his own expense.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device must be used with shielded interface cables. The use of non-shielded cable is likely to result in interference with radio communications, and is prohibited under FCC rules.

Attention

Any modifications or changes to this product not expressly approved in writing by the manufacturer responsible for compliance to Federal Regulations could void the user's authority to operate this product within the Laws and Regulations of the Federal Communications Commission.

Safety Information

Toner

⚠ WARNING

Do not throw the toner cartridge or toner into an open flame. The hot toner may scatter and cause burns or other damage.

CAUTION: Keep out of reach of children.

Laser Safety

This printer is a page printer which operates by means of a laser. There is no possibility of danger from the laser, provided the printer is operated according to the instructions in this manual.

Since radiation emitted by the laser is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

This printer is certified as a Class 1 laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the printer does not produce hazardous laser radiation.

Internal Laser Radiation

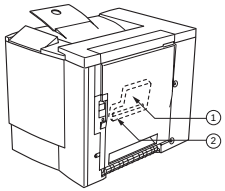
Maximum Average Radiant Power: 4.68 μW at the surface of the OPC drum

Wavelength: 770–795 nm

This product employs a Class IIIb Laser Diode that has an invisible laser beam. The Laser Diode and Scanning Polygon Mirror are incorporated in the print head unit. The print head is in the interior of the printer in front of the toner cartridge. The laser beam is emitted from the print head unit, and then is radiated through the laser aperture to the interior of the printer.

⚠ WARNING

The internal components of the print head unit are NOT A FIELD SERVICEABLE ITEM. Therefore, the print head unit should not be opened under any circumstances.

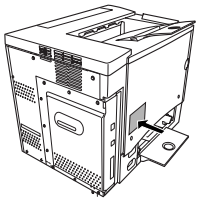


1 - Print head unit
2 - Laser aperture

Laser Caution For United States Users—CDRH Regulations

This printer is certified as a Class I laser product under the Regulation Performance Standard according to the Food, Drug, and Cosmetic Act of 1990. Compliance is mandatory for laser products marketed in the United States, and is reported to the Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration (FDA) of the Department of Health and Human Services (DHHS). This means that the product does not produce hazardous laser radiation.The label shown below indicated compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

Laser Safety Label—CDRH Requirement



⚠ WARNING

CAUTION: Use of controls, adjustments, or performance other than those specified in this manual may result in hazardous radiation exposure.

This is a semiconductor laser. The maximum power of the laser diode is 5 mW, and the wavelength is 770–795 nm.

International Notices—Power Cord

The following power cord requirements are in effect for your 230 V printer.

Minimum: 0.75 mm^2

Minimum: H05 VV - F

The male plug is certified in the country in which the equipment is to be installed, and the female plug is an IEC 60320 connector.

International Notices—Voltage

Attention Norwegian users: This equipment is designed to operate within an IT power system where the line-to-line voltage does not exceed 240 V.

Ozone Release

During printer operation, a small quantity of ozone is released. This amount is not large enough to harm anyone adversely. However, be sure the room where the printer is being used has adequate ventilation, especially if you are printing a high volume of materials, or if the machine is being used continuously over a long period.

Warranty Considerations

Various factors can affect a printer's warranty, such as electrostatic damage, unsupported consumables, and other actions listed below. Read your printer warranty carefully. For information about your warranty, go to www.minolta-qms.com/support, then click on the Answer Base.

If MINOLTA-QMS printer failure or damage is found to be directly attributable to the use of non-MINOLTA-QMS approved consumables, print media, and/or accessories, MINOLTA-QMS will not repair the printer free of charge. In this case, standard time and material charges will be applied to service your printer for that particular failure or damage.

These Actions Will Result in Voiding Your Warranty	
Print Media	Use of nonsupported media, such as inkjet paper. See "Using Media" in the *User's Guide* for approved media. Contact your local vendor or www.minolta-qms.com for purchase information.
Electrostatic Discharge	Failure to protect the printer controller board and any associated daughterboard or module from electrostatic discharge or damage while performing any task involving the controller board.
Instructions	Failure to follow instructions in the printer documentation.
Modifications	Any modifications or changes to this product not expressly approved in writing by the manufacturer responsible for compliance to Federal Regulations could void your authority to operate this product within the Laws and Regulations of the Federal Communications Commission.
Consumables	Use of consumables not manufactured or supported by MINOLTA-QMS. Any damage to the printer or quality problems caused by a refilled toner cartridge use.
OPC Drum Cartridge and Toner Cartridge	Any damage resulting from mishandling the OPC or toner cartridge.
Accessories	Use of accessories not manufactured/supported by MINOLTA-QMS.